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each subcommittee supervising a section of the institute, and all conferring together in cases of difficulty. An institute of physics was coming into being; why not an institute of radiology adjoining it or incorporated with it? At Petrograd a new institute of radiology had lately been inaugurated in a building of recent construction. If Bolshevik Russia, asked Dr. Knox, could erect an institute of radiology in the midst of its great upheaval, was the United Kingdom going to be outdone?

THE National Research Council has established the Research Information Service as a general clearing-house and informational bureau for scientific and industrial research. This "Service" on request supplies information concerning research problems, progress, personnel, funds, etc. Ordinarily inquiries are answered without charge. When this is impossible, because of unusual difficulty in securing information, the inquirer is notified and supplied with an estimate of cost. Much of the information assembled by this bureau is published promptly in the *Bulletin* or the "Reprint and Circular Series" of the National Research Council, but the purpose is to maintain complete up-to-date files in the general office of the council. Announcement will be made from time to time of special informational files which have been prepared. Requests for information should be addressed to the Research Information Service, 1701 Massachusetts Avenue, Washington, D. C.

THE Carnegie Foundation for the Advancement of Teaching distributed up to June 30, 1920, the sum of \$7,964,000 in 664 retiring allowances and 245 pensions to widows of professors in 159 universities and colleges. This announcement has been made to the trustees, by Dr. Henry S. Pritchett, the president. The Foundations assets are \$24,628,000. The Teachers Insurance and Annuity Association, established by the Foundation, during its first two years had provided for teachers in 213 institutions, 585 policies totalling \$2,969,000 and 513 annuity contracts representing \$540,000, or total expected payments of \$6,480,000.

The association's annuities have been adopted by thirty-four universities and colleges for all teachers desiring them, it was stated. President Hibben, of Princeton, President Vinson, of the University of Texas, President Perry, of Hamilton College and President Neilson, of Smith College, have been elected trustees to fill vacancies. President Humphreys, of Stevens Institute has been elected chairman; President Thwing, of Western Reserve University, vice chairman, and Chancellor Kirkland, of Vanderbilt University, secretary of the board.

WE learn from *Nature* that the English courts gave on November 17, a decision on the motion for an injunction to prevent Messrs. Brunner, Mond and Co., from distributing £100,000, as it was authorized to do by an extraordinary general meeting on August 5. It will be remembered that at this meeting the directors were empowered to distribute that sum to such universities or other scientific institutions in the United Kingdom as they might select for the furtherance of scientific education and research. The money was to be provided from the investment surplus reserve account. It was urged that in carrying out the resolution the directors would be acting a way which was outside the scope of the stated objects of the company, but Mr. Justice Eve ruled that the resolution came within the bounds of what was likely to lead to the direct advantage of the company, and therefore refused to make an order on the motion.

UNIVERSITY AND EDUCATIONAL NEWS

FRANCIS LYNDE STETSON has bequeathed his residuary estate, estimated at from \$1,000,000 to \$1,500,000, to Williams College, of which he was a senior trustee for many years and a benefactor during his life. He gave \$100,000 additional to the college to establish eight scholarships for worthy students from Clinton County. The testator directs preference be given to students from the city of Plattsburg and the towns of Champlain, Chazy and Ausable in that order.

AN anonymous donor has given Yale University bonds valued at over \$100,000 for the department of university health.

STANFORD UNIVERSITY will have on its campus for the 1923 intercollegiate contests a stadium seating at least 60,000 spectators and costing approximately \$750,000. The engineering commission, composed of Professors W. F. Durand, C. D. Marx, and C. B. Wing of the engineering departments of the university, has been requested to proceed at once with the preparation of the final plans of construction.

SAMUEL W. DUDLEY, at present chief engineer of the Westinghouse Airbrake Company, has been appointed professor of mechanical engineering on the Strathcona Foundation at Yale University.

DR. EDWARDS A. PARK, associate professor of pediatrics at the Johns Hopkins University, has been elected professor of pediatrics in the Yale Medical School. Dr. Park graduated from Yale with the degree of Bachelor of Arts in 1900.

FRANCIS MARSH BALDWIN, (Ph. D. (Illinois), associate professor of physiology in the department of zoology at Iowa State College, has been raised to the rank of professor. F. A. Fenton, Ph.D. (Ohio State), has been advanced to the rank of associate professor of entomology, and is acting chief of the Entomological Section of the Experiment Station, during the absence of Professor E. D. Ball, now assistant secretary of agriculture.

DISCUSSION AND CORRESPONDENCE

WRATTEN FILTERS

TO THE EDITOR OF SCIENCE: My attention has been called to the fact that some biological workers have been using Wratten filters for measurements of the response of living animals to light, and that there is a possibility that results obtained in this way may be vitiated by the infra-red transmission of such filters. Measurements show that practically all these filters transmit the infra-red; the monochromatic series, for instance, transmit

over 50 per cent. of the radiation of longer wave-length than 750μ which is transmitted by glass and gelatine. The filters were made for photographic work and are suitable for visual research, but no attempt has been made to eliminate the infra red, and they are quite unsuitable for work where infra red radiation may introduce errors unless that radiation is absorbed by some suitable filter such as the solution of copper chloride recommended by W. W. Coblentz, *Bulletin of the Bureau of Standards*, Volume VII., 1911, p. 655.

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THE COST OF GERMAN PUBLICATIONS

TO THE EDITOR OF SCIENCE: Mr. Howe's communication seems to deserve some further remarks. A recent letter from a prominent dealer in Leipzig tells me that prices for Germany are doubled for foreign customers and that he has no reason to believe that American dealers will be able to furnish at a lower rate. Postage is ten times higher and there is a government export tax of 8 per cent. of the invoice. The course I took was to write the dealer not to send me anything; that in future I would not buy anything as an individual in Germany and would try to do the necessary reading through libraries, thereby dividing the cost among a number. I added that I objected particularly to the export tax.

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A QUESTION OF BIBLIOGRAPHY

TO THE EDITOR OF SCIENCE: In his well-known volume on "Fur-bearing Animals,"¹ the author, Elliott Coues, described on the authority of "Mr. Lockhart," an extraordinary act of the wolverene in the presence of man. The wolverene will squat on his haunches and shade his eyes with one of his

¹ U. S. Geol. Surv. Misc. Publ. VIII., Washington, 1877.